



State of Louisiana  
Department of Environmental Quality



KATHLEEN BABINEAUX BLANCO  
GOVERNOR

MIKE D. McDANIEL, Ph.D.  
SECRETARY

Certified Mail No.:

Activity No.: PER20050002  
Agency Interest No.: 26155

Mr. Jack Edwards  
General Manager  
North American Shipbuilding, L.L.C.  
Post Office Drawer 580  
Larose, Louisiana 70373-0580

RE: Permit Modification, North American Shipbuilding LLC - Larose Shipyard  
North American Shipbuilding, L.L.C., Larose, Lafourche Parish, Louisiana

Dear Mr. Edwards:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Permit No.: 1560-00136-01

Sincerely,

Chuck Carr Brown, Ph.D.  
Assistant Secretary

CCB:sbp



**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**NORTH AMERICAN SHIPBUILDING, L.L.C.**  
**LAROSE SHIPYARD**  
**PROPOSED MODIFICATION OF A MINOR SOURCE AIR PERMIT**

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed modification of a minor source air permit for North American Shipbuilding, L.L.C., Post Office Drawer 580, Larose, Louisiana 70373-0580 for the North American Shipbuilding LLC - Larose Shipyard. **The facility is located along the Intracoastal Waterway, on 800 Industrial Park Road (the south portion) in Larose, Lafourche Parish.**

North American Shipbuilding, L.L.C. – Larose Shipyard, an existing marine construction and repair facility began operations in the early 1970's. The North American Shipbuilding, L.L.C. – Larose Shipyard currently operates under Permit No. 1560-00136-00, issued September 3, 1997.

North American Shipbuilding, L.L.C. proposes to update emissions for burning and cutting operations (Point Source 05) based on the inclusion of acetylene gas as a fuel source and updated emission factors, include additional toxic air pollutants (TAPs) resulting from outdoor painting operations (Point Source 06), request an emissions CAP of 23.686 tons per year (tpy) of TAPs from painting operations (Point Source 06) resulting in total aggregate facility TAP emissions of 24.487 tpy, remove 22,000 gallon per year paint use limitation and base paint use limitation on VOC and TAP emissions limits, update emissions for electric arc welding operations (Point Source 07), based on increased annual consumption of welding materials and updated emission factors, add an emission point source for plasma cutting operations (Point Source 1-05, Plasma Cutter), add an emission point source for woodworking operations performed in the facility's carpenter shop (Point Source 2-05, Carpenter Shop), and remove Point Source 09, Pneumatic Pump No. 3, based on the equipment being electrically powered resulting in no emissions.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	7.58	18.10	+10.52
SO <sub>2</sub>	0.01	0.01	No change
NO <sub>x</sub>	1.72	3.35	+1.63
CO	0.73	0.73	No change
VOC	51.40	51.36	-0.04
TAPs	23.67	24.487	+0.817

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Wednesday, March 8, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written

comments or a written request for notification of the final decision.

The permit application and proposed permit are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). An additional copy may be reviewed at the Lafourche Parish Library, Larose Branch, Bayou Civic Center, 307 E. Fifth Street, Larose, LA 70373.

Inquiries or requests for additional information regarding this permit action should be directed to Mr. Scott B. Pierce, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3181.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at [maillistrequest@ldeq.org](mailto:maillistrequest@ldeq.org).

Permit public notices can be viewed on the LDEQ Permits public Web page at [WWW.deq.state.la.us/news/PubNotice/](http://WWW.deq.state.la.us/news/PubNotice/).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.state.la.us/ldbc/listservpage/ldeq\\_pn\\_listserv.htm](http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 26155, Permit Number 1560-00136-01, and Activity Number PER20050002.**

**Publication date: February 1, 2006.**

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**North American Shipbuilding LLC - Larose Shipyard**  
**Agency Interest No.: 26155**  
**North American Shipbuilding, L.L.C.**  
**Larose, Lafourche Parish, Louisiana**

**I. BACKGROUND**

North American Shipbuilding, L.L.C. (NAS), North American Shipbuilding LLC - Larose Shipyard, an existing marine construction and repair facility began operations in the early 1970's. The North American Shipbuilding LLC - Larose Shipyard currently operates under Permit No. 1560-00136-00, issued September 3, 1997.

**II. ORIGIN**

A permit application and Emission Inventory Questionnaire (EIQ) dated November 17, 2005, were received requesting a permit modification.

**III. DESCRIPTION**

NAS is engaged in building and repairing ships. The current operations include abrasive blasting of metal surfaces, burning and cutting of plate and structural steel, electric arc welding, and surface coating. Steel shot blasting is performed in a controlled (bag filters, 99.5% efficiency) and ventilated enclosure. Sand blasting (No. 3 sand grit) and painting operations are performed outdoors.

NAS proposes the following modifications to its existing permit:

- Update emissions for burning and cutting operations (Point Source 05) based on the inclusion of acetylene gas as a fuel source and updated emission factors,
- Include additional toxic air pollutants (TAPs) resulting from outdoor painting operations (Point Source 06),
- Request an emissions CAP of 23.686 tons per year (tpy) of TAPs from painting operations (Point Source 06) resulting in total aggregate facility TAP emissions of 24.487 tpy,
- Remove 22,000 gallon per year paint use limitation and base paint use limitation on VOC and TAP emissions limits,
- Update emissions for electric arc welding operations (Point Source 07), based on increased annual consumption of welding materials and updated emission factors,
- Add an emission point source for plasma cutting operations (Point Source 1-05, Plasma Cutter),
- Add an emission point source for woodworking operations performed in the facility's carpenter shop (Point Source 2-05, Carpenter Shop), and
- Remove Point Source 09, Pneumatic Pump No. 3, based on the equipment being electrically powered resulting in no emissions.

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**North American Shipbuilding LLC - Larose Shipyard**  
**Agency Interest No.: 26155**  
**North American Shipbuilding, L.L.C.**  
**Larose, Lafourche Parish, Louisiana**

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub> <sup>1</sup>	7.58	18.10	+10.52
SO <sub>2</sub>	0.01	0.01	No change
NO <sub>x</sub>	1.72	3.35	+1.63
CO	0.73	0.73	No change
VOC <sup>1</sup>	51.40	51.36	-0.04

<sup>1</sup> Includes the following TAPs:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in ton per year*
<b>VOC TAP's</b>	
Benzene	< 0.001
Cumene	< 0.001
Ethyl benzene	≤ 1.990
Formaldehyde	≤ 0.001
Glycol ethers (Table 51.3)	≤ 0.296
Methanol	≤ 0.780
Methyl ethyl ketone	≤ 2.780
Methyl isobutyl ketone	≤ 5.390
Toluene	≤ 9.000
Trichloroethylene	≤ 0.620
Xylenes	≤ 7.930
n-Butyl alcohol	≤ 2.990
<b>Non-VOC TAP's</b>	
Ammonia	≤ 0.001
Barium (and compounds)	< 0.001
Chromium VI (and compounds)	≤ 0.005
Cobalt compounds	< 0.001
Copper (and compounds)	≤ 0.140
Manganese (and compounds)	≤ 0.709
Nickel (and compounds)	≤ 0.002
Zinc (and compounds)	≤ 4.452
<b>Total TAP's*</b>	<b>24.487</b>

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**North American Shipbuilding LLC - Larose Shipyard  
Agency Interest No.: 26155  
North American Shipbuilding, L.L.C.  
Larose, Lafourche Parish, Louisiana**

\* Aggregate toxic air pollutant (TAP) emissions shall be limited to no more than 24.487 tons per year. While maintaining the aggregate TAP emission limit, the emission of any single TAP shall be restricted to no more than specified. Emissions in excess of the limits specified for any 12 month consecutive period shall be a violation of the permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

**IV. TYPE OF REVIEW**

This permit was reviewed for compliance with Louisiana Air Quality Regulations. New Source Performance Standards (NSPS), Prevention of Significant Deterioration (PSD), and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

**V. PUBLIC NOTICE**

A notice requesting public comment on the proposed project was published in *The Advocate*, Baton Rouge, Louisiana, on <<DATE>>; and in <<local paper>>, <<city>>, Louisiana, on <<DATE>>. Copies of the public notice were also mailed to individuals who have requested to be placed on the mailing list maintained by the Office of Environmental Services on <<DATE>>. No comments were received.

**VI. EFFECTS ON AMBIENT AIR**

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Ambient Air Quality Standard (NAAQS)
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**VII. GENERAL CONDITION XVII ACTIVITIES**

Work Activity	Schedule	PM <sub>10</sub>	Emission Rates - tons			
			SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
None	---	---	---	--	---	---

**VIII. INSIGNIFICANT ACTIVITIES**

ID No.:	Description	Citation
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LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
  
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
  
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 17, 2005.
  
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
  
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
  
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**General Information**

**AI ID: 26155 North American Shipbuilding LLC - Larose Shipyard**  
**Activity Number: PER20050002**  
**Permit Number: 1560-00136-01**  
**Air - Minor Source/Small Source Mod**

Also Known As:	ID	Name	User Group	Start Date
	1560-00136	North American Shipbuilding LLC - Larose Shipyard	CDS Number	08-05-2002
	72-0748079	Federal Tax ID	Federal Tax ID	11-21-1999
	LAR000009183	North American Shipbuilding LLC	Hazardous Waste Notification	12-11-1995
	LA0105856	WPC File Number	LPDES Permit #	05-22-2003
	0790170-001	North American Shipbuilding LLC	State Tax ID	11-07-2002
	52135	North American Shipbuilding LLC - Larose Shipyard	TEMPO Merge	12-28-2000
	70373NRTHM800IN	TRI #	Toxic Release Inventory	07-29-2004
	11818	Waste Tires	Waste Tire Facility ID Number	05-27-2005
	RG-57-11818	Facility #	Waste Tires	11-07-2002

**Physical Location:** 800 Industrial Park Rd  
(s portion of)  
Larose, LA 70373  
**Main Phone:** 9856931313

**Mailing Address:** PO Drawer 580  
Larose, LA 703730580

**Location of Front Gate:** 29° 35' 6" 91 hundredths latitude, 90° 22' 27" 11 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Wilbur Cloutier	PO Drawer 580 Larose, LA 703730580	9856931313 (WP)	Haz. Waste Billing Party for
	Jack Edwards	PO Drawer 580 Larose, LA 703730580		Responsible Official for
	Billy Pellegrin	PO Box 310 Galliano, LA 703540310	9856321772 (WP)	Solid Waste Permit Contact for
	Billy Pellegrin	PO Box 310 Galliano, LA 703540310	9856321772 (WP)	Waste Tires Contact for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Edison Chouest Offshore	PO Box 310 Galliano, LA 703540310		Owns
	North American Shipbuilding LLC	PO Box 580 Larose, LA 703730580	9856934072 (WP)	Air Billing Party for
	North American Shipbuilding LLC	PO Box 580 Larose, LA 703730580	9856934072 (WP)	Water Billing Party for
	North American Shipbuilding LLC	PO Box 580 Larose, LA 703730580	9856934072 (WP)	Owns
	North American Shipbuilding LLC	PO Box 580 Larose, LA 703730580	9856934072 (WP)	Operates

**SIC Codes:** 3731, Ship building and repairing

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

**INVENTORIES**

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard  
 Activity Number: PER20050002  
 Permit Number: 1560-00136-01  
 Air - Minor Source/Small Source Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE001	04 - Outdoor Blasting		1750 tons/yr	1750 tons/yr		3120 hr/yr (All Year)
ARE002	05 - Burning and Cutting		3.5 (other units)	3.5 (other units)	MM linear ft/yr	3120 hr/yr (All Year)
ARE003	06 - Outdoor Painting			394300 gallons/yr		3120 hr/yr (All Year)
ARE004	07 - Electric Arc Welding		1309 tons/yr	153 tons/yr		3120 hr/yr (All Year)
EQT001	01 - Space Heating		7.5 MM ft <sup>3</sup> /yr	7.5 MM ft <sup>3</sup> /yr		6240 hr/yr (All Year)
EQT002	02 - Autobl原因 Unit Building No. 8		212.5 tons/hr	212.5 tons/hr		3120 hr/yr (All Year)
EQT003	03 - Autobl原因 Unit Building No. 3		265.5 tons/hr	265.5 tons/hr		3120 hr/yr (All Year)
EQT004	1-05 - Plasma Cutter		3.5 (other units)	3.5 (other units)	MM linear ft/yr	3744 hr/yr (All Year)
EQT005	2-05 - Carpenter Shop		1.5 M board ft/hr	18 M bd ft/yr		8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Entire Facility	ARE1 04 - Outdoor Blasting
GRP001	Entire Facility	ARE2 05 - Burning and Cutting
GRP001	Entire Facility	ARE3 06 - Outdoor Painting
GRP001	Entire Facility	ARE4 07 - Electric Arc Welding
GRP001	Entire Facility	EQT1 01 - Space Heating
GRP001	Entire Facility	EQT2 02 - Autobl原因 Unit Building No. 8
GRP001	Entire Facility	EQT3 03 - Autobl原因 Unit Building No. 3
GRP001	Entire Facility	EQT4 1-05 - Plasma Cutter
GRP001	Entire Facility	EQT5 2-05 - Carpenter Shop

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP001	1		1280 - Ship and Boat Building: D) 201 to 1000 Employees

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard  
 Activity Number: PER20050002  
 Permit Number: 1560-00136-01  
 Air - Minor Source/Small Source Mod

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 04	1.57	2.36	2.45												
ARE 002 05	0.08	2.32	0.13	0.01	0.01	0.01	0.92	0.92	1.43	0.39	0.39	0.61	0.05	0.05	0.08
ARE 003 06	2.89	2.89	4.51										32.86	32.86	51.26
ARE 004 07	2.17	18.57	3.39												
EQT 001 01	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.09	0.09	0.29	0.04	0.04	0.12	0.01	0.01	0.02
EQT 002 02	0.54	0.54	0.84												
EQT 003 03	0.67	0.67	1.05												
EQT 004 1-05	3.04	3.04	5.70				0.87	0.87	1.63						
EQT 005 2-05	< 0.001	0.06	< 0.001												

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

**Permit Phase Totals:**

PM10: 18.10 tons/yr  
 SO2: 0.01 tons/yr  
 NOx: 3.35 tons/yr  
 CO: 0.73 tons/yr  
 VOC: 51.36 tons/yr

**Emission rates Notes:**

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard

Activity Number: PER20050002

Permit Number: 1560-00136-01

Air - Minor Source/Small Source Mod

**All phases**

Subject item	Ammonia			Barium (and compounds)			Benzene			Chromium VI (and compounds)			Cobalt compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002 05				< 0.001	0.029	< 0.001	< 0.001	< 0.001	< 0.001	0.003	0.583	0.004	< 0.001	0.058	< 0.001
ARE 003 06	0.001	0.001	0.001												
ARE 004 07										0.002	0.003	0.001	< 0.001	0.001	< 0.001
EQT 004 1-05															

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard

Activity Number: PER20050002

Permit Number: 1560-00136-01

Air - Minor Source/Small Source Mod

**All phases**

Subject Item	Copper (and compounds)			Cumene			Ethyl benzene			Formaldehyde			Glycol ethers (Table 51.3)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002 05	0.001	0.292	0.002												
ARE 003 06	0.037	0.037	0.058	< 0.001	< 0.001	< 0.001	1.276	1.276	1.990				0.190	0.190	0.296
ARE 004 07															
EQT 004 1-05	0.043	0.043	0.080												

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard

Activity Number: PER20050002

Permit Number: 1560-00136-01

Air - Minor Source/Small Source Mod

**All phases**

Subject Item	Manganese (and compounds)			Methanol			Methyl ethyl ketone			Methyl isobutyl ketone			Nickel (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002 05	0.003	0.846	0.005										0.001	0.146	0.001
ARE 003 06				0.500	0.500	0.780	1.782	1.782	2.780	3.455	3.455	5.390			
ARE 004 07	0.209	0.736	0.134										0.002	0.003	0.001
EQT 004 1-05	0.304	0.304	0.570												

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard  
 Activity Number: PER20050002  
 Permit Number: 1560-00136-01  
 Air - Minor Source/Small Source Mod

**All phases**

Subject Item	Toluene			Trichloroethylene			Xylene (mixed isomers)			Zinc (and compounds)			n-butyl alcohol		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002 05	< 0.001	< 0.001	< 0.001							0.001	0.292	0.002			
ARE 003 06	5.769	5.769	9.000	0.397	0.397	0.620	5.083	5.083	7.930	2.853	2.853	4.450	1.917	1.917	2.990
ARE 004 07															
EQT 004 1-05															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

**Permit Parameter Totals:**

Toxic air pollutants (TAP): 24.487 tons/yr

**Emission Rates Notes:**

**SPECIFIC REQUIREMENTS**

**AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard**

**Activity Number: PER20050002**

**Permit Number: 1560-00136-01**

**Air - Minor Source/Small Source Mod**

**ARE001    04 - Outdoor Blasting**

- 1 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 2 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year    Statistical Basis: Six-minute average
- 3 Permittee shall take precautions to minimize the spread and dispersion of fugitive emissions by maintaining screens at the time of sandblasting. The particulates shall be collected and disposed in a adequate manner. Weather conditions shall also be considered while sandblasting to minimize water pollution by particulates. [LAC 33:III.501.C.6]

**ARE002    05 - Burning and Cutting**

- 4 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year    Statistical Basis: None specified
- 5 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 6 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year    Statistical Basis: Six-minute average
- 7 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 8 Aggregate toxic air pollutant (TAP) emissions from this source (ARE002) shall be limited to no more than 0.015 tons per year, the emissions of any single TAP from this source (ARE002) shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" section of this permit, and the Total Aggregate TAP emissions for the entire facility shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" and "Specific Requirements" sections of this permit. Emissions in excess of the limits specified for any 12 month consecutive period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 9 A report showing TAP emissions in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division annually by March 31. [LAC 33:III.501.C.6]
- 10 Permittee shall calculate and record emissions of TAP monthly. For each month, document the previous twelve consecutive month cumulative total of TAP emissions. [LAC 33:III.501.C.6]
- 11 All records shall be kept on site for five (5) years and available for review by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

**ARE003    06 - Outdoor Painting**

- 12 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 13 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year    Statistical Basis: Six-minute average
- 14 Permittee shall comply with the VOC content limitations of LAC 33:III.2123.C.11. [LAC 33:III.2123.C]

## SPECIFIC REQUIREMENTS

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard

Activity Number: PER20050002

Permit Number: 1560-00136-01

Air - Minor Source/Small Source Mod

### ARE003 06 - Outdoor Painting

- 15 Determine compliance by the procedure specified in "Control of Volatile Organic Emissions for Existing Stationary Sources. Vol. 2-Surface Coating of Cans, Coils, Paper, Fabric, Autos and Lt. Duty Trucks"; (EPA 450/2-77-008), the procedures specified in "Measurement of Volatile Organic Compounds" (EPA-450/2-78-041), a method approved by DEQ, or certification from the paint manufacturer concerning the solvent makeup of the paint. Treat exempt solvents the same as water in calculating the VOC content per gallon of coating. [LAC 33:III.2123.D.3]
- 16 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.7, as appropriate. [LAC 33:III.2123.E]
- 17 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4, as applicable, to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 18 Permittee shall ensure compliance with the opacity limits of this permit by visually inspecting the painting operations for off-site emissions on a daily basis. If visible off-site emissions are detected, then the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9 or Method 22. Records of visible off-site emission checks shall include the emission point ID number, the date the visual check was performed, a record if visible off-site emissions were detected, and a record and results of any Method 9 or Method 22 testing conducted. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 19 Permittee shall use wind screens, shrouds, tarps, or other engineering barriers around equipment being spray painted whenever practicable. All barriers shall have a shade factor of 80 percent or greater and tears or holes greater than 1 foot in length shall be repaired. When the use of barriers is not practicable, the permittee shall employ HVLP (high volume, low pressure) spray guns, airless spray guns, air assisted spray guns that use compressed air in addition to hydraulic pressure to achieve atomization, or other coating methods that will minimize overspray. [LAC 33:III.501.C.6]
- 20 Volatile organic compound (VOC) emissions shall be restricted to no more than the limit established in the "Emission Rates for Criteria Pollutants" section of this permit. Emissions in excess of the limits specified for any 12 month consecutive period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 21 Updated material safety data sheets shall be kept on all materials (paints, thinner, sand, etc.) used by the facility. The permittee shall recycle, where practicable, excess materials. [LAC 33:III.501.C.6]
- 22 Aggregate toxic air pollutant (TAP) emissions from this source (ARE003) shall be limited to no more than 23.686 tons per year, the emissions of any single TAP from this source (ARE003) shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" section of this permit, and the Total Aggregate TAP emissions for the entire facility shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" and "Specific Requirements" sections of this permit. Emissions in excess of the limits specified for any 12 month consecutive period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 23 All records shall be kept on site for five (5) years and available for review by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 24 A report showing VOC and TAP emissions in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division annually by March 31. [LAC 33:III.501.C.6]
- 25 Permittee shall maintain a logbook showing monthly records of the type and amounts of paints used. [LAC 33:III.501.C.6]
- 26 Permittee shall calculate and record emissions of VOC and TAP monthly. For each month, document the previous twelve consecutive month cumulative total of VOC and TAP emissions. [LAC 33:III.501.C.6]

### ARE004 07 - Electric Arc Welding

- 27 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

## SPECIFIC REQUIREMENTS

**AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard**

**Activity Number: PER20050002**

**Permit Number: 1560-00136-01**

**Air - Minor Source/Small Source Mod**

### ARE004 07 - Electric Arc Welding

- 28 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average
- 29 A report showing TAP emissions in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division annually by March 31. [LAC 33:III.501.C.6]
- 30 Permittee shall calculate and record emissions of TAP monthly. For each month, document the previous twelve consecutive month cumulative total of TAP emissions. [LAC 33:III.501.C.6]
- 31 All records shall be kept on site for five (5) years and available for review by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 32 Aggregate toxic air pollutant (TAP) emissions from this source (ARE004) shall be limited to no more than 0.136 tons per year, the emissions of any single TAP from this source (ARE004) shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" section of this permit, and the Total Aggregate TAP emissions for the entire facility shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" and "Specific Requirements" sections of this permit. Emissions in excess of the limits specified for any 12 month consecutive period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

### EQI001 01 - Space Heating

- 33 Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 34 Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 35 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

### EQI002 02 - Autoblast Unit Building No. 8

- 36 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 37 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average
- 38 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 39 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 40 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard

Activity Number: PER20050002

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Air - Minor Source/Small Source Mod

### EQI002    **02 - Autoblaster Unit Building No. 8**

- 41 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 42 Particulate matter (10 microns or less)  $\geq$  99.5 % removal efficiency. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: None specified

### EQI003    **03 - Autoblaster Unit Building No. 3**

- 43 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 44 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year    Statistical Basis: Six-minute average
- 45 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: None specified
- 46 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 47 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: None specified
- 48 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 49 Particulate matter (10 microns or less)  $\geq$  99.5 % removal efficiency. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: None specified

### EQI004    **1-05 - Plasma Cutter**

- 50 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 51 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year    Statistical Basis: Six-minute average
- 52 A report showing TAP emissions in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division annually by March 31. [LAC 33:III.501.C.6]
- 53 Permittee shall calculate and record emissions of TAP monthly. For each month, document the previous twelve consecutive month cumulative total of TAP emissions. [LAC 33:III.501.C.6]
- 54 All records shall be kept on site for five (5) years and available for review by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

**SPECIFIC REQUIREMENTS**

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**Activity Number: PER20050002**

**Permit Number: 1560-00136-01**

**Air - Minor Source/Small Source Mod**

**EQT004 1-05 - Plasma Cutter**

55 Aggregate toxic air pollutant (TAP) emissions from this source (EQT004) shall be limited to no more than 0.650 tons per year, the emissions of any single TAP from this source (EQT004) shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" section of this permit, and the Total Aggregate TAP emissions for the entire facility shall be restricted to no more than the limit established in the "Emission Rates for TAP/HAP & Other Pollutants" and "Specific Requirements" sections of this permit. Emissions in excess of the limits specified for any 12 month consecutive period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

**EQT005 2-05 - Carpenter Shop**

56 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

57 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

58 Cyclone vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

59 Cyclone vents: Visible emissions recordkeeping by electronic or hard copy daily. [LAC 33:III.501.C.6]

60 Cyclone vents: Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Perform maintenance as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

61 Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

62 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

63 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

64 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

65 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

66 Particulate matter (10 microns or less)  $\geq$  99.5 % removal efficiency. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

**GRP001 Entire Facility**

67 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

68 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

69 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

**SPECIFIC REQUIREMENTS**

**AI ID: 26155 - North American Shipbuilding LLC - Larose Shipyard**

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**Air - Minor Source/Small Source Mod**

**GRP001      Entire Facility**

- 70 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 71 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 72 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 73 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 74 Carbon monoxide  $\leq$  0.73 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: Annual maximum
- 75 Nitrogen oxides  $\leq$  3.35 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: Annual maximum
- 76 Sulfur dioxide  $\leq$  0.01 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: Annual maximum
- 77 Toxic air pollutants (TAP)  $\leq$  24,487 tons/yr, as a total aggregate for the entire facility. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: Annual maximum
- 78 Particulate matter (10 microns or less)  $\leq$  18.10 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: Annual maximum
- 79 VOC, Total  $\leq$  51.36 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year    Statistical Basis: Annual maximum
- 80 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 81 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]